



S/N 09/863,693

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: ARATHOON ET AL. Examiner: S. RAWLINGS  
Serial No.: 09/863,693 Group Art Unit: 1642  
Filed: MAY 23, 2001 Docket No.: 11669.132USC2  
Confirmation No.: 1782 Customer No. 23552  
Title: A METHOD FOR MAKING MULTISPECIFIC ANTIBODIES  
HAVING HETEROMULTIMERIC AND COMMON COMPONENTS

CERTIFICATE UNDER 37 CFR 1.10:

"Express Mail" mailing label number: EV 347834527 US  
Date of Deposit: September 25, 2003

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: *Sheryl A. Boerboom*  
Name: Sheryl A. Boerboom

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TECH CENTER 1600/2900

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(c))**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted after the mailing date of a first Office Action on-the-merits or a first Office Action after filing a Request for Continued Examination under 37 C.F.R. § 1.114 or a CPA under 37 C.F.R. § 1.53(d), but before the mailing date of: i) a final action under 37 C.F.R. § 1.113; ii) a Notice of Allowance under 37 C.F.R. § 1.311; or iii) an action that otherwise closes prosecution on the application. Enclosed is a check in the amount of \$180.00 under 37 C.F.R. § 1.17(p) for consideration of the items listed on the enclosed Form 1449.

The Examiner's attention is directed to co-pending applications U.S. Serial No. 09/373,403 filed August 12, 1999, U.S. Serial No. 09/520,130 filed March 7, 2000, and U.S. Serial No. 10/143,437 filed May 10, 2002.

10/03/2003 WABDELRI 00000015 09863693 180.00 DP  
01 FC:1806

In accordance with 37 C.F.R. §1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

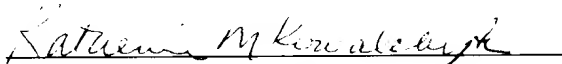
Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,

MERCHANT & GOULD P.C.  
P.O. Box 2903  
Minneapolis, Minnesota 55402-0903  
(612) 332-5300

Date: Sept 25, 2003

  
Katherine M. Kowalchuk  
Reg. No. 36,848  
KMK:sab

<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b>  <b>IN AN APPLICATION</b> (Use several sheets if necessary)	Docket Number: 11669.132USC2		Application Number: 09/863,693
	Applicant: ARATHOON ET AL.		
	Filing Date: MAY 23, 2001	Group:	
	Customer No.: 23552		



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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,591,828	01/1997	BOSSLET ET AL.			

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Bedzyk et al., "Active Site Structure and Antigen Binding Properties of Idiotypically Cross-reactive Anti-fluorescein Monoclonal Antibodies", <u>The Journal of Biological Chemistry</u> , 265(1):133-138 (1990)
	Goddard et al., NCBI Genbank AF048774 (1998)
	Goddard et al., NCBI Genbank AF048775 (1998)
	Massino et al., "Quantitative analysis of the products of IgG chain recombination in hybrid hybridomas based on affinity chromatography and radioimmunoassay", <u>Journal of Immunological Methods</u> , 201:57-66 (1997)
	Merchant et al., "An efficient route to human bispecific IgG", <u>Nature Biotechnology</u> , 16:677-681 (July 1998)
	Rudikoff et al., "Single amino acid substitution altering antigen-binding specificity", <u>PNAS</u> , 79:1979-1983 (1982)
	Smith et al., "Variable Region Primary Structures of Monoclonal Anti-DNA Autoantibodies from NZB/NZW F <sub>1</sub> Mice", <u>Molecular Immunology</u> , 27(5):463-470 (1990)

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	